Department of Computer Science & Engineering

Minutes of Meeting

(Held in Room No. 005, Block - 1 at 10:30 a.m. on 2nd August 2018)

The following Members attended the meeting

Internal Members

1. Prof (Dr.) Parma Nand , Professor & Dean
2. Prof. (Dr.) Nitin Rakesh(Chairman, HOD CSE)
3. Dr. A. K. Sahoo , Associate Professor
4. Dr. Rashi Agarwal, Associate Professor
5. Dr. Mandeep Kaur, Associate Professor
6. Ms. Supriya Khaitan, Assistant Professor
7. Ms. Abha Kiran Rajput, Assistant Professor
8. Ms. Deepti Sahu, Assistant Professor
9. Dr. Sudeshna Chakraborty, Assistant Professor
10. Ms. Megha Chhabra,Assistant Professor
11. Mr. Rupesh Jindal, Assistant Professor

External Members

Bhupender Sandhu, NIIT technologies, Mob No: 9811779646

The following points were discussed and decisions taken:

1. The course structure for the following programmes was decided

- B.Tech in CSE(120 Credits)
- B.Tech in CSE with Honors(180 Credits)
- B.Tech in CSE with specialization in IOT(180 credits)
- B.Tech in CSE with specialization in Cyber security and Forensics (180 credits)
- B.Tech in CSE with specialization in Artificial Intelligence and Machine learning(180 credits)
- B.Tech in CSE with specialization in Data Sciences(180 credits)
- B.Tech in CSE with specialization in information security and cloud computing(180 credits)
- Bachelors of Computer Application(120 credits)

- Master of Computer Application MCA(120 credits)
- BCA , MCA Integrated(200 credits)
- B.Sc CS and BSc IT(120 credits)
- M.Sc CS and M.Sc IT(80 credits)

2. The following points were discussed and decisions taken:

- The meeting started with discussion about previous BOS changes.

- Latest Tools must be added in the practical based subjects.

- Discrete Structures to be taught by CSE faculty.

- Agile Software may be added as an elective subject for B.Tech students.

- Hands on exercise must be given to students for inculcating self based learning.

- All project based subjects must include timelines.

- Labs of subjects like operating system and Compiler must be done on LINUX.

4. Point wise Suggestions/Comments for recommendation By External Evaluator on BoS held on 02nd Aug 18.

i) B.Tech in CSE - some suggestions to be considered like touching upon Agile methodology, Automation testing.

2) Include application security guidelines like OWASP

3) PSO has been discussed and some changes were suggested in some of the courses

4) BCA, MCA, MSc courses, some syllabus based suggestions were given

Syllabus is well planned and drafted. Will cater well to the market demand of professionals in times to come.

Bhupender Singh Sudhu

Attendance of Members of BoS held on 02nd Aug, 2018

Name.   Sign.

1. Sushant Jhingnan. (Inttme)   Sushant

2. Nitish Patil (Inurture)

3. Dr. Mandeep Kaur

4. Abha Kiran Rajpoot.   Abha

5. Deepti Sahu   Deepu

6. Megha Chhabra

7. A K Sahoo   A K Sahoo
                                                    02-08-18

8. Dr. Sudeshna Chakraborty   Sehuly
                                                    02·08-18

1. Dr Rashi Agarwal   Rash
                                                    2/8/18

10. Prof. Nitin Rakesh.   02/8/18.

11. Supriya Khaitan   Supriya
                                              02/08/18

12. Prof. Nitin Rakesh

MINUTES

16th Meeting of Academic Council
(Friday, August 10, 2018)

SHARDA UNIVERSITY
GREATER NOIDA, U.P. (INDIA)

Item No. 16.63: *Considered a proposal regarding the modification in various Under-Graduate and Post-Graduate and Integrated programmes run by the different departments of School of Engineering & Technology;*

The Council approved the following recommendations of the Faculty Board of the School of Engineering & Technology in its meeting held on August 04, 2018 for modifications in the Under-Graduate, Post-Graduate *and* Integrated programmes run by Six departments of School of Engineering & Technology.

I. DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING:

1. Department of Computer Science & Engineering proposes the course structure and Syllabi of following for Batch 2018 onwards:
   a. B.Tech in Computer Science and Engineering — Annexure-66(1)
   b. B.Tech in Information Technology — Annexure-66(2)
   c. B.Tech in Computer Science and Engineering with specialization in Business Analytics and Optimization — Annexure-66(3)
   d. B.Tech in Computer Science and Engineering with specialization in Cloud Computing and Virtualization — Annexure-66(4)
   e. Master in Computer application (MCA) as mentioned — Annexure-66(5)
   f. Bachelor in Computer application (BCA) as mentioned — Annexure-66(6)

2. Department of Computer Science & Engineering introduces the course structure and Syllabi of following for Batch 2018 onwards:

   - B.Tech. in Computer Science and Engineering with specialization in Internet of Things as mentioned — Annexure-66(7)
   - B.Tech. in Computer Science and Engineering with specialization in Data Sciences as mentioned — Annexure-66(8)
   - B.Tech. in Computer Science and Engineering with specialization in Artificial Intelligence and Machine Learning as mentioned — Annexure-66(9)
   - B.Tech. in Computer Science and Engineering with specialization in Cyber security and Forensics as mentioned in — Annexure-66(10)
   - B.Tech. in Computer Science and Engineering with specialization in Information Security and cloud Technology — Annexure-66(11)
   - B.Sc. in Computer Science — Annexure-66(12)
   - M.Sc. in Computer Science — Annexure-66(13)
   - B.Sc. in Information Technology — Annexure-66(14)
   - M.Sc. in Information Technology — Annexure-66(15)
   - BCA MCA Integrated — Annexure-66(16)

3. Department of Computer Science & Engineering introduces the course structure of following for Batch 2018 onwards:
   - M.Tech. in Computer Science and Engineering with Specialization in cyber security and Networking — **Annexure-66(17)**

4. The Department of Computer Science & Engineering proposes the updates in course structure, ARP subjects are introduced from Semester 5 and semester 6(0-0-4)2, Semester 7(0-0-2)1 and open elective (2-0-0)2 in semester 7 for following of Batch 2017-2021:

   - B.Tech in Computer Science and Engineering — Annexure-66(18)
   - B.Tech in Information Technology — Annexure-66(19)
   - B.Tech in Computer Science and Engineering with specialization in Business Analytics and Optimization — Annexure-66(20)
   - B.Tech in Computer Science and Engineering with specialization in Cloud Computing and Virtualization — Annexure-66(21)
   - B.Tech in Computer Science and Engineering with specialization in Information Security and cloud Technology — Annexure-66(22)
   - Master in Computer Application (MCA) — Annexure-66(23)

- Bachelors in Computer Application (BCA) **Annexure-66**(24)

5. Department of Computer Science & Engineering proposes the updates in course structure of following for Batch 2016-2020:

   - B.Tech in Computer Science and Engineering **Annexure-66**(25)
   - B.Tech in Information Technology **Annexure-66**(26)
   - B.Tech in Computer Science and Engineering with specialization in Business Analytics and Optimization **Annexure-66**(27)
   - B.Tech in Computer Science and Engineering with specialization in Cloud Computing and Virtualization **Annexure-66**(28)
   - B.Tech in Computer Science and Engineering with specialization in Information Security and cloud Technology as mentioned **Annexure-66**(29)

6. The Department of Computer Science & Engineering proposes the updates in course structure, Advanced Design and Analysis of Algorithm (3-1-2) is replaced by Software Requirement and Estimation (3-0-0) for B.Tech and M.Tech integrated in Computer Science and Engineering with specialization in Software Engineering Batch 2014-2019 as mentioned in **Annexure-30.**

7. B.Tech *and* M.Tech integrated in Computer Science and Engineering with specialization in Software Engineering as mentioned **Annexure-66**(30)

8. Department of Computer Science & Engineering proposes the Syllabi of following courses for Batch 2016 Onwards **Annexure-66**(31)

   - Python Programming (3-1-0)4 for MCA as an Elective, 2016-2019 Batch.
   - C Programming (3-1-2)5 for B.Tech. CSE /IT as core, 2017-2021 Batch.
   - Introduction to C Programming (2-0-4)4 for B.Sc (Hons.) Maths, Physics, Chemistry and Biochemistry.
   - HTML Programming(2-0-0)2 as Generic Elective for whole University
   - Introduction to Cyber security(2-0-0)2 as Generic Elective for whole University
   - Introduction to Artificial Intelligence (2-0-0) as Generic Elective for whole University

9. Department of Computer Science & Engineering proposes the Syllabi of Personality Development courses for Batch 2016 Onwards **Annexure-66**(32)

II. DEPARTMENT OF BIOTECHNOLOGY:

1. 1st year course structure of 160 credits. Changes in the Course structure from 183 to 160 for the AY 2018-19 and onwards **Annexure-67**(1)

2. BTY 115 Solid Waste Management - an Open/Generic elective course for whole University
   Annexure-67(2)

3. BTY114 Introduction to Biotechnology - a course for first year. **Syllabi** for the AY 2018-19 and onwards
   Annexure-67(3)

4. BTY223 Introduction to Biology for Engineers a course for second year B.Tech. students of SET for all branches other than Biotechnology – **Syllabi** shall be applicable from the AY 2018-19 and onwards **Annexure-67**(4)